

19970820.qrp v00_n824.qrs.970820

>From ???@??? Thu Aug 21 08:33:24 1997
Date: Wed, 20 Aug 1997 19:05:24 EDT
Subject: QRP-L digest 824
Message-Id: <97Aug20.190808edt.35096-59066+156@fidoii.cc.Lehigh.EDU>

QRP-L Digest 824

Topics covered in this issue include:

- 1) [25186] VHF QSO Anyone?
by Dale Anderson <dalea@artemis.fc.hp.com>
- 2) [25187] PSE Listen out for N2T0/1 from NH
by "Kevin F. Glynn" <KFGlynn@prodigy.net>
- 3) [25188] NCG 15m CW/SSB Manual Wanted
by kt3a@juno.com
- 4) [25189] Re: Mystery of the Blinking Light!
by Ed Loranger <we6w@qsl.net>
- 5) [25190] Homebrew post
by mike wood <K6MW@worldinfonet.com>
- 6) [25191] FS: HW-8
by N1RGN@aol.com
- 7) [25192] 50/40/30 Kansas
by Steve Heyroth <sheyroth@CompuServe.COM>
- 8) [25193] RE: Smart Chargers
by Jade Account <jadepro@jadeprod.com>
- 9) [25194] n0tfi
by af852@rgfn.epcc.Edu (William R Colbert)
- 10) [25195] St Louis Vertical
by D Limbrick <DAVLIM@extra.co.nz>
- 11) [25196] 38s
by kb0pte@juno.com (Jerry W Alexander)
- 12) [25197] Re: CLARIFYING TUNED GND WIRE
by "Kevin F. Glynn" <KFGlynn@prodigy.net>
- 13) [25198] Skillman Bug
by d.nordquest@juno.com
- 14) [25199] Smart Chargers/Battery Technology
by n4so@juno.com (charles k brown)
- 15) [25200] Technical Books for the blind
by jeverhar@camden.lmco.com
- 16) [25201] Re: Smart Chargers/Battery Technology
by Zack Lau <zlau@arrl.org>
- 17) [25202] Any Hawaiian Stations ??
by Barry Keating <Barry.P.Keating.1@nd.edu>
- 18) [25203] FS:TAC-1 40 mtrs & LDG AT-11
by buhyoff@vt.edu (Greg Buhyoff)
- 19) [25204] No RS in WY??

- by Larry East <w1hue@amsat.org>
- 20) [25205] Re: 38s
by Bill Jones <kd7s@psnw.com>
- 21) [25206] RE: Paddlette
by bcutter@teal.csn.net (Bob Cutter)
- 22) [25207] Re: Any Hawaiian Stations ??
by Marty Rosenzweig <marty@mht.com>
- 23) [25208] Simple kits for kids
by Steven Weber <kd1jv@moose.ncia.net>
- 24) [25209] Re: 38s
by Danh Le <dql@slip.net>
- 25) [25210] Re: CLARIFYING TUNED GND WIRE
by Ken Lopez <kjlopez@earthlink.net>
- 26) [25211] Re: Gel Cell Charge Controller
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 27) [25212] homebrew list -vs- newsgroup
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 28) [25213] Pulse charge vs. Continuous charge
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
- 29) [25214] RESULTS FOR THE FLIGHT OF THE BUMBLEBEES
by Russ Carpenter <russ@natworld.com>
- 30) [25215] Soapbox for the Flight of the Bumblebees (Long)
by Russ Carpenter <russ@natworld.com>
- 31) [25216] NC38S: reprise of PIN diode modification, due to popular demand
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 32) [25217] CW procedures: How long to listen?
by rerobins@unccvm.uncc.edu (Rick Robinson)
- 33) [25218] LDG AT-11 tuner *** SOLD ***
by buhyoff@vt.edu (Greg Buhyoff)
- 34) [25219] Re: CW procedures: How long to listen?
by george fremin iii <geoiii@bga.com>
- 35) [25220] Re: CW procedures: How long to listen?
by Chris Cartwright <ccart@dns.vidtel.com>
- 36) [25221] St. Louis Tuner efficiency - Mod?
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 37) [25222] Re: Any Hawaiian Stations ??
by Alan Kaul <kaul@netcom.com>
- 38) [25223] 1750m invisible fence QRM
by rerobins@unccvm.uncc.edu (Rick Robinson)
- 39) [25224] W0CH - Dave, where are you?
by tahrens1@juno.com (Timothy H Ahrens)
- 40) [25225] Centennial Xcvt
by "Junius B. Fox" <w5hir@mail.phoenix.net>
- 41) [25226] Re: CW procedures: How long to listen?
by Vic Rosenthal <rakefet@rakefet.com>
- 42) [25227] part needed
by rspenc@creighton.edu
- 43) [25228] Oak Hill Sprint

by "Thomas J. McCuen" <TMcCuen@compuserve.com>
44) [25229] Caveat Emptor!
by N4JS <n4js@amsat.org>
45) [25230] Re: Mystery of the Blinking Light!
by "Frank, G3YCC." <g3ycc@gqrpcclub.demon.co.uk>
46) [25231] odd Sierra problems
by rerobins@unccvm.uncc.edu (Rick Robinson)
47) [25232] RE: Centennial Xcvr
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
48) [25233] Tuner Test VI
by "Bob Kellogg" <ae4ic@nr.infi.net>
49) [25234] Loaner Ten Tec tuner.
by "Bob Kellogg" <ae4ic@nr.infi.net>
50) [25235] Re: part needed
by Ed Tanton <n4xy@bellsouth.net>
51) [25236] Re: FS:TAC-1 40 mtrs & LDG AT-11
by Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
52) [25237] Re: FS:TAC-1 40 mtrs & LDG AT-11
by Greg Buhyoff <buhyoff@vt.edu>
53) [25238] RE: Paddlette
by bcutter@teal.csn.net (Bob Cutter)
54) [25239] Arrggghhh! Life's frustrations...
by Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
55) [25240] Re: part needed
by Ed Tanton <n4xy@bellsouth.net>
56) [25241] 38 Special article in September CQ Magazine
by Jim Lowman <jmlowman@ix.netcom.com>
57) [25242] Re: Centennial Xcvr
by Ed Pacyna <pacyna@auratek.com>
58) [25243] Re: [TenTec] Re: [CW] Speed help
by "j.w. thornton" <dub@oklahoma.net>
59) [25244] CQC Swap List
by "Marshall Emm" <mgemm@mtechnologies.com>
60) [25245] Re: Using Charge Controllers Question
by ke3fl@juno.com (Philip Karras)
61) [25246] Re: NCG 15m CW/SSB Manual Wanted
by kt3a@juno.com
62) [25247] Curry Communications
by Jerry Parker <jparker@fix.net>

Date: Tue, 19 Aug 1997 17:09:05 -0600
From: Dale Anderson <dalea@artemis.fc.hp.com>
To: qrp-l@Lehigh.EDU
Subject: [25186] VHF QSO Anyone?
Message-ID: <33FA2791.2CC9@artemis.fc.hp.com>
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Gang,

Early Thursday morning, I'll be "hittin' the road", destined for New Hampshire. I'll be traveling via I-80 to Chicago, then I-90 'til '495 in MA then '95 North to Rt 16.

Anyway, I was kinda hoping to meet some of you on the air as I travel along that route. I have the ARRL Repeater Directory and will be checking into open 2m repeaters along the way. If any of you hear KB0VCC announce his presence on your local machine, please give me a call. I have 2200 miles to cover in 3 days and I'd really appreciate some conversation. Heck, I'll even make up a special QSL card for those from QRP-L who make contact with me!

72/73 es hope to meet you on the air.

-Dale, KB0VCC
Fort Collins, CO
QRP-L #91 / CQC #251
ARS #234 / FISTS #3172

P.S. This is one of the EXTREMELY RARE times you could catch me using phone. Don't let this opportunity pass you by! Listen for KB0VCC and say hello!

Date: Tue, 19 Aug 1997 19:06:22 -0400
From: "Kevin F. Glynn" <KFGlynn@prodigy.net>
To: "Vinny WB2AAP" <wb2aap@juno.com>, "Richie KB2TWX" <Rkb2twx@aol.com>, "QRP-L" <qrp-l@Lehigh.EDU>, "LIQRP" <liqrp@waterw.com>, "Charlie N2JZA" <chazn2jza@aol.com>, "Bruce KA2VXD" <bsorrent@idt.net>
Subject: [25187] PSE Listen out for N2T0/1 from NH
Message-ID: <199708192304.TAA44638@mail1y-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi gang,

Please listen out for me during my upcoming trip to New Hampshire with my very understanding YL Mary.

I'll be on the air from Thur 8/21 - Mon 8/25 0130-0300 UTC (or more if

anyone hears me!), 9:30-11:00 pm EDT, Wed-Sun, and maybe in late afternoon if 20M phone band is open.

I'll be working 30M around 10.116, 40M around 7.040 and 20M SSB in the lower portion of the General subband.

Vinny, Richie and rest of KCRA crew: I'll be on phone from 0130-0145 on 14.245 +/- a few depending on QRM. Let's see if we can get it together then.

72 Kevin N2TO

Date: Tue, 19 Aug 1997 19:16:47 EDT
From: kt3a@juno.com
To: qrp-1@Lehigh.EDU
Subject: [25188] NCG 15m CW/SSB Manual Wanted
Message-ID: <19970820.185712.8215.1.kt3a@juno.com>

On behalf of a fellow QRP op, K3NVI,
I am requesting a copy of the manual or
at least the schematic for the NCG 15 meter
CW/SSB rig. This one rig closely resembled
a CB mobile radio (gasp).

Denny, K3NVI picked up a working one
at a hamfest after years of seaching for
this rig. Of course, he will be glad to
SASE, and cover any cost involved.
If you know of a source for one, that is
good information also.

Cameron C.R. Bailey <><
Amateur Radio, KT3A
kt3a@juno.com
Mount Wolf, Pennsylvania

Date: Tue, 19 Aug 1997 17:21:17 -0700
From: Ed Loranger <we6w@qsl.net>
To: kjlopez@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25189] Re: Mystery of the Blinking Light!

Message-ID: <33FA387D.6594@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well QRP-Lers, I've heard many stories about these
lamps today. Thanks!

Remember that funny spoof of a movie: "A Christmas Story"?

He wins a 'major Award' -- Table lamp, woman's leg
with string fringe lampshade.

Unfortunately, my wife knows I can fix anything, and
I have never broken anything, even in anger.....

Of course, I could make it 'Better'.

Lamp mods? Hee Heee.

-Ed

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Tue, 19 Aug 1997 16:41:42 -0700
From: mike wood <K6MW@worldinfonet.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [25190] Homebrew post
Message-ID: <33FA2F36.981@worldinfonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Can someone please send me a copy of todays post describing how to
subscribe to the HOMEBREW mail list???

I accidentally nuked it....

73, mike K6MW

Date: Tue, 19 Aug 1997 22:22:36 -0400 (EDT)
From: N1RGN@aol.com
To: qrp-l@Lehigh.EDU
Cc: HEATH@listserv.tempe.gov
Subject: [25191] FS: HW-8
Message-ID: <970819222027_-2073135301@emout14.mail.aol.com>

HW-8 for sale. Excess to my needs. Runs well. \$125 plus shipping from Akron, Ohio.

N1RGN
N1RGN@aol.com

Date: Tue, 19 Aug 1997 23:15:20 -0400
From: Steve Heyroth <sheyroth@CompuServe.COM>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [25192] 50/40/30 Kansas
Message-ID: <199708192315_MC2-1DA6-E7B0@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

It's almost time. I will represent the great state of Kansas in 50/40/30= on August 26. OHR Explorer II running 2 watts on 30 meters 0000-0200Z and OHR 100 running 5 watts on 40 meters from 0200-0400Z. OHR 100 still under construction, but I work best under pressure. See you then.

72,

Steve N5CLU

Date: Tue, 19 Aug 97 23:41:31 PDT
From: Jade Account <jadepro@jadeprod.com>
To: qrp-l@Lehigh.EDU
Subject: [25193] RE: Smart Chargers
Message-ID: <Chameleon.4.01.970819234306.jadepro@jadepro.jadeprod.com>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

We have some stuff posted on our WEB site (see below) about charging lead-acid and gelled batteries. Have a look, and whatever questions come up, please ask, perhaps we can put more information up if there is interest.

Dennis, K1YPP

Jane Blanchard, President Dennis Blanchard, Chief Engineer

	Phone:	603-329-6995 (Summer hours 4 to 10 PM EST)
Jade	FAX:	603-329-4499
Products,	Orders:	800-523-3776
Inc.	e-mail:	jadepro@jadeprod.com

US Mail: Jade Products, Inc
PO Box 368
East Hampstead, NH 03826-0368

See our Web Page: <http://www.jadeprod.com/>

Date: Tue, 19 Aug 97 22:07:56 MDT
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-l@Lehigh.EDU
Subject: [25194] n0tfti
Message-ID: <9708200407.AA08674@rgfn.epcc.Edu>

Hi everyone - just had a nice qso with Jess, N0TFI about 0330 on 7042 -/+. Nice signal with his OHR400 and SLV. Vacationing out in the boonies - and said to give the gang on QRP-L a big H E E. When I last listened, he was still calling CQ and peaking up to S-6 or 7.

--
Ray Colbert, W5XE
00TC 3618, SOWP 1064M

El Paso, Tx (Far West Texas)
(also: v31xe@dzdn.com)

Date: Wed, 20 Aug 1997 17:08:08 +1200
From: D Limbrick <DAVLIM@extra.co.nz>
To: qrp-l@Lehigh.EDU
Subject: [25195] St Louis Vertical
Message-ID: <33FA7BB7.56F5@extra.co.nz>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi
I'm a newcomer to the list and keep seeing references to the SLV. If
this is a home brew ant could someone please advise me where I can get
details of it as it sounds like the answer to my problems
Thanks Dave z12dl
davlim@extra.co.nz

Date: Wed, 20 Aug 1997 07:05:14 -0500
From: kb0pte@juno.com (Jerry W Alexander)
To: QRP-L@Lehigh.EDU
Subject: [25196] 38s
Message-ID: <19970820.070515.3462.0.KB0PTE@juno.com>

A friend of mine has a problem with his 38s. It TX but no RX. He has
good side tone. You can hear a signal if you TX with a very strong signal
beside it. He just can not find the problem. He said he has changed all
the chips, he has not changed the 2N3904. He has gone thru the voltage
checks and they are good. If anyone has an Idea of what he can try please
E-mail me direct. Thanks in advance for the info.. Have a great day.

73,KB0PTE
Wayne
QRP-L # 1058

Date: Wed, 20 Aug 1997 00:00:06 -0400

From: "Kevin F. Glynn" <KFGlynn@prodigy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [25197] Re: CLARIFIYING TUNED GND WIRE
Message-ID: <199708201205.IAA32006@mail1y-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi gang,

FYI below is a reply sent to me recently from Doug DeMaw, W1FB on using a tuned counterpoise:

I have tried many methods for obtaining an effective station ground when my setup was a floor or more above ground. The most effective approach I have implemented was the use of a small Transmatch between the cabinets of the transmitting equipment and the heavy gauge wire that was routed to the basement and connected to the cold water pipes. Unfortunately, this requires retuning the Transmatch when changing bands or making large frequency changes within a band, such as on 160 or 75 meters. A simple diode type of RF voltmeter may be used to ensure that the RF energy has been removed from the equipment through adjustment of the Transmatch.

I reviewed the MFJ Artificial Ground many years ago. It performed as described and seemed to be worthy of the price.

I have used individual 1/4 wave "radial" wires when on DXpeditions in the Caribbean to obtain the equivalent of an earth ground. A single wire for each band of operation was sufficient. I was usually situated two or three units above the seashore. All plumbing in the units was done with PVC pipe, so there was never a ground to connect to in those dwellings.

Good luck and 73,

Doug, W1FB

72 Kevin N2T0

Date: Wed, 20 Aug 1997 08:34:25 EDT

From: d.nordquest@juno.com
To: QRP-L@Lehigh.EDU
Subject: [25198] Skillman Bug
Message-ID: <19970820.083400.4831.0.d.nordquest@juno.com>

Due to a hard drive crash, I lost a response from some time ago about my Skillman bug. I'd be grateful if the person I corresponded with would contact me. Thanks!

Dave KE9ED

Date: Wed, 20 Aug 1997 08:46:40 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [25199] Smart Chargers/Battery Technology
Message-ID: <19970819.194434.4391.30.n4so@juno.com>

Battery Technology text file is here on this computer.
from: n4so@juno.com

The text file is about 18K and answers many questions on battery charging in general.
Ask for Jade3.txt

Do not repeat or quote this message text.

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-l #622
n4so@juno.com

Date: Wed, 20 Aug 1997 08:52:09 -0400 (EDT)
From: jeverhar@camden.lmco.com
To: qrp-l@Lehigh.EDU, njqrp@njqrp.org
Cc: jeverhar@camden.lmco.com
Subject: [25200] Technical Books for the blind
Message-ID: <9708201252.AA09686@train11.CAMDEN.LMCO.COM>

Gang,

While this may not appeal to everyone, I think there are a few on the list who may benefit.

A friend of mine, Tony, WA3CA0 has reported that Recordings for the Blind and Dyslectic now has the Wes Hayward and Chris Bowick RF design books available on audio tape. In fact Tony is the one who bought the books and sent them to be recorded. Not only that, but he tells me that the ever-popular Solid State Design for the Radio Amateur is now in the works, too.

These books on tape include all of the text and detailed verbal descriptions of the schematic diagrams and figures. For an example of a "verbal schematic" you can refer to a recent article in QST by Tony on Audible Meter Readers.

BTW, this guy is an avid homebrewer!

72/73,

Joe E., N2CX

Date: Wed, 20 Aug 1997 09:35:19 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [25201] Re: Smart Chargers/Battery Technology
Message-ID: <33FAF297.12AE@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think many 3906 designs undercharge the batteries.
Better thermal coupling of the chip to the cells
are needed for best performance--Zack W1VT

Date: Wed, 20 Aug 1997 08:45:23 -0500
From: Barry Keating <Barry.P.Keating.1@nd.edu>
To: qrp-l@Lehigh.EDU
Subject: [25202] Any Hawaiian Stations ??
Message-ID: <v03007801b020a3746dff@[129.74.86.74]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have been working many of the "50/40/30" states as they are announced (and I appreciate the time and efforts of the 50/30/40 operators) but... are there any Hawaiian stations who would like to give us a shot at a Hawaiian contact?

I suppose there are just too many other nice pastimes in Hawaii -- lots to see and do and not much residual time for amateur radio.

But, are there any Hawaiian ops who would like to set ANY time for a short contact?

Barry Keating
WD4MSM

Date: Wed, 20 Aug 1997 08:55:31 -0400
From: buhyoff@vt.edu (Greg Buhyoff)
To: qrp-l@Lehigh.EDU
Subject: [25203] FS:TAC-1 40 mtrs & LDG AT-11
Message-ID: <v01540b02b020977f2001@[128.173.78.57]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have two items for sale -- both are in MINT condition and both were factory assembled and aligned.

1. S&S Engineering TAC-1 for 40 mtrs. Digital display, up to 5 watts out, includes optional built-in keyer. Exceptional receiver. Beautiful transceiver.

Purchased new in May, 1997. \$225 OBO. Includes UPS shipping.

2. LDG AT-11 Auto Tuner -- up to 100 watts out. Perfect condition. \$100 shipped UPS.

I have all documentation for both items.

Call 540-951-4097 between 4 and 9pm (Eastern time), or e-mail me at Buhyoff@vt.edu. I can be reached today (Wed, Aug. 20th) at the office at 540-231-5148.

Thanks, Greg K2UM

=====
Greg Buhyoff
Julian N. Cheatham Professor

Virginia Polytechnic Institute and State University
Blacksburg, Virginia 24061

Office Phone: 540-231-5148
Fax: 540-231-3698
E-mail: Buhyoff@vt.edu

=====

Date: Wed, 20 Aug 1997 08:03:36 -0600
From: Larry East <wlhue@amsat.org>
To: qrp-1@Lehigh.EDU
Subject: [25204] No RS in WY??
Message-ID: <2.2.16.19970820140336.18978782@eloi>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> Besides, they **are** just about everywhere
>(except maybe in Wyoming - right Chuck? :-)), and they DO have a nice
>return and service policy.

Hmmm... I seem to recall seeing one in Jackson. Maybe Chuck just couldn't
get past the Cowboy Bar! :-)

Date: Wed, 20 Aug 1997 07:30:25 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@Lehigh.EDU
Subject: [25205] Re: 38s
Message-ID: <33FAFF81.B3F@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry W Alexander wrote:

>
> A friend of mine has a problem with his 38s. It TX but no RX. He has
> good side tone. You can hear a signal if you TX with a very strong signal

Jerry,

Tell your friend to check for proper connection of T1. It is easy to get the primary and secondary leads in the wrong holes. Also, have him make ABSOLUTELY sure that ALL the insulation has been removed from the wires that make up T1. He, like the rest of us may have to remove a turn or two from T1 as well.

Date: Wed, 20 Aug 1997 08:40:40 -0600 (MDT)
From: bcutter@teal.csn.net (Bob Cutter)
To: bfollett@ditell.com
Cc: qrp-1@Lehigh.EDU
Subject: [25206] RE: Paddlette
Message-ID: <199708201440.IAA26689@ns-1.csn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have owned one about two months now, and have taken it backpacking a few >times. It seems more sturdy then a Whiterook, and definitely more than a >G4ZPY 3-in-1. It is machined from a single piece of PCV material,

I also like the unit. I have had mine for about two months also and have the optional leg strap and mounting plate. It is very comfortable on my knee with arm resting on my thigh. I have used it both mobile and camping with good results.

72, Bob KI0G

Date: Wed, 20 Aug 1997 09:02:12 -0600
From: Marty Rosenzweig <marty@mht.com>
To: Barry.P.Keating.1@nd.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25207] Re: Any Hawaiian Stations ??
Message-ID: <33FB06F4.B3B5F32C@mht.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Barry Keating wrote:

> But, are there any Hawaiian ops who would like to set ANY time for a
> short
> contact?
>

KH6AFS has been putting in a great signal into NW Colorado for the last few nights. He's been on 14.060 with 1 watt into a 600' rhombic.

Good luck!

Marty, W00Q
marty@mht.com

Date: Wed, 20 Aug 1997 10:40:24
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [25208] Simple kits for kids
Message-ID: <3.0.1.16.19970820104024.2d3f8af6@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

Before we leave this thread, one more idea.

You can do up a simple kit for your younger child or grandchild by laying out a simple circuit, such as a LED blinker, CPO, AM broadcast rcvr, or such on a piece of stiff cardboard stock.

Draw in the parts outlines, then use a pin to punch a hole where the leads go. Draw in which wires get twisted together. You could get fancy and draw it on your computer, print it out and glue to the cardboard. Then you can make more at anytime.

Now all the kids have to do is put the parts in the right places and twist the wires. Kinda like putting together a puzzle. When it's all done, tape the leads down (or solder them and trim), back it up with another piece of cardboard, stapled on the corners.

Not very hard to do and could be a lot of fun for the whole family!

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Wed, 20 Aug 1997 08:38:27 -0700
From: Danh Le <dql@slip.net>
To: qrp-1@Lehigh.EDU
Subject: [25209] Re: 38s
Message-ID: <E0x1Cq3-0004uZ-00@mole>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:05 AM 8/20/97 -0500, you wrote:

>A friend of mine has a problem with his 38s. It TX but no RX. He has
>good side tone. You can hear a signal if you TX with a very strong signal
>beside it. He just can not find the problem. He said he has changed all
>the chips,he has not changed the 2N3904. He has gone thru the voltage
>checks and they are good. If anyone has an Idea of what he can try please
>E-mail me direct. Thanks in advance for the info.. Have a great day.

>
>73,KB0PTE
>Wayne
>QRP-L # 1058
>

I got the same problem when I built mine. You probably will need a frequency counter to check pin 6 of U1 and U3 for 22.118 mhz and 12.000 mhz respectively. In my case, the NE602 went bad and did not drive one of the crystals. Replacing it solved my problem.

GL de Dan, ke6d

=====

Amateur Radio Station: KE6D	Danh Le	
Internet: dql@slip.net	245 Valmy Street	
	Milpitas, CA 95035	

=====

Date: Wed, 20 Aug 1997 08:37:59 -0700

From: Ken Lopez <kjllopez@earthlink.net>
To: KFGlynn@prodigy.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25210] Re: CLARIFIYING TUNED GND WIRE
Message-ID: <33FB0F57.55E0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I can give support to doug's comments. I once had my shack on the second floor, with no available ground. I used the MFJ artificial ground for two years, and it worked very well. It is possible to build the equivalent unit if you have a well stocked junk box. If not, the MFJ is very reasonable, often available used, and WILL solve your problem. Works well for portable use also.

Cheers,
Ken, N6TZV

Date: Wed, 20 Aug 1997 11:37:50 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "Kevin F. Glynn" <KFGlynn@prodigy.net>
Cc: "mike bryce" <73357.222@CompuServe.COM>, "qrpforum" <qrp-1@Lehigh.EDU>
Subject: [25211] Re: Gel Cell Charge Controller
Message-ID: <199708201539.LAA20460@mh004.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Kevin and Gang,

I've received several inquiries, so:

This is in reference to the "Micro M" charge controller designed and built by Mike Bryce, available for \$25 from:

SunLight Energy Systems
2225 Mayflower NW
Massillon, Oh 44647
216-832-3114
216-832-4161 FAX

I'm convinced that this little charge controller is every bit as good as the expensive ones. It will only handle a maximum of 2 amps, though, so would be a slow charge for your large batteries. I use mine with no

adjustments to charge cells from 1.3 AH to 7 AH. Also, it is just a controller, not a complete power supply.

It is a pulse charger with a built in hysteresis effect. It charges the cell at about 14.2 Volts (adjustable), and when the cell voltage reaches this value, it cuts off. The cell voltage then drops, depending on the actual level of charge, condition of the cell, etc. As the voltage drops, it passes another threshold, about 13.8 Volts, and the charger cuts on again.

The charger has an LED that lights during the charge cycle. So, a cell that is really down will cycle so quickly that the LED appears to be on all of the time. As a cell becomes fully charged, the speed of the voltage drop slows, and the LED appears to blink, first rapidly, then slowly as the cell reaches a full charge.

This action tells you several things. A new cell will blink very slowly when fully charged. A used cell which doesn't retain its charge so well will blink faster when fully charged. (but it is still a useable cell) A cell that is dead may never cause the LED to blink at all.

The controller is reverse polarity protected, and will not discharge the battery when there is no charging power applied. It can be left connected to the battery indefinitely.

This is a charge controller, designed originally to work with power from Solar Panels. So, you must supply your own voltage and current. I use one of the "Allen Bond" power supplies and it is set to supply 15 -16 volts.

Mike Brice wrote an excellent construction article which appeared in Sept. '96 QST. His article includes the circuit and explains the operation of the controller in detail, so you can build it from scratch if you like.

For those of us who like to build and use some of our salvaged parts to complete a project, this is a great one.

(usual disclaimer)

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not necessarily. -- Benny Hill

> From: Kevin F. Glynn <KFGlynn@prodigy.net>
> Pls tell me more about your charger with controller. I want to buy a
> couple of LARGE gel cells, about 40 ahr capacity or so, plus a few
smaller
> ones.

Date: Wed, 20 Aug 1997 10:47:49
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-1@Lehigh.EDU
Subject: [25212] homebrew list -vs- newsgroup
Message-ID: <3.0.3.16.19970820104749.307796d4@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi all,
yet another careless mistake by your truly. the silver plating, silver
recovery discussion that i attributed to brian shorts mailing list
(homebrew@qsl.net) was actually on in the rec.radio.amateur.homebrew usenet
newsgroup. sorry for any confusion, but at least it gave me a chance to
put a plug in brians newsgroup. the unfortunate thing about usenet
newsgroups is the amount of spam and sometimes low signal/noise ratio. the
rec.radio.amateur.homebrew is a bit better than most though.

73,
--adam, n2brt
adam-kanis@uiowa.edu OR n2brt@n0rxd.#eia.ia.usa.noam

qrp - home-brew - packet - linux

Date: Thu, 21 Aug 1997 00:15:03 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: qrp@pandora.lugs.org.sg
Subject: [25213] Pulse charge vs. Continuous charge
Message-ID: <33fb1808.pandora@pandora.lugs.org.sg>

Hi,

Recently there has been mentioned a charger that actually 'pulses' the
battery at rates depending on the state of charge.

I was wondering if anyone knew the effects of pulse-charging a battery
as opposed to continuous charging it? Are there any differences/benefits in
one or the other of the methods? Thanks.

73 de 9V1ZV Daniel

--

```
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      | danwee@singnet.com.sg |
| QRP-L #667 | 9V1ZV@amsat.org |
+-----+-----+
```

Date: Wed, 20 Aug 97 09:32:57 -0700
From: Russ Carpenter <russ@natworld.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [25214] RESULTS FOR THE FLIGHT OF THE BUMBLEBEES
Message-ID: <199708201632.JAA26091@guppy.pond.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Adventure Radio Society is pleased to report the results of the Flight of the Bumblebees, held on Sunday, July 27. We have separately published the Soapbox, brimming with fascinating experiences.

We were gratified to see the activity on the higher bands. Your operations on 20, 15 and 10 meters made this daytime event into a national contest, in which QRPers from coast to coast could renew their friendships. We will sponsor the Flight of the Bumblebees again in 1998, on the last Sunday of July. By then, the higher bands will be hot. Get those multiband QRP radios ready!

ARS will issue handsome certificates to the top four overall participants, and the top four Bumblebees. The Contest Manager is not eligible.

Thanks for your participation!

Russ Carpenter, AA7QU
Contest Manger for Adventure Radio Society

To make this table line up correctly, be sure that your email reader is set up with a monospaced font.

Call	Qs 40M	Qs 20M	Qs 15M	Qs 10M	Total Points	# of BBs	Score
N4TN	10	36	12	1	108	21	6804
AA7QU/BB	10	48	0	0	106	18	5724

K8CV	3	46	0	0	95	15	4275
N4ROA/BB	24	39	7	1	118	12	4248
W3TS	10	37	5	0	94	15	4230
N4EO	0	38	9	1	96	14	4032
W5SB	0	49	6	1	112	9	3024
AE4IC	19	22	0	0	63	14	2646
AB7TT/BB	0	35	0	0	70	11	2310
W0CH	2	29	3	0	66	11	2178
N2CQ	1	27	9	3	79	9	2133
W5TFB/BB	0	49	9	0	116	6	2088
W4QQ/BB	1	33	0	0	67	9	1809
WD8RIF/BB	16	21	0	0	58	10	1740
VE3JC/BB	7	34	5	0	85	6	1530
AA1IK	0	22	13	0	70	6	1260
K5ZTY	0	23	0	0	46	9	1242
AB7TK/BB	1	22	0	0	45	9	1215
N0IBT/BB	0	25	0	0	50	8	1200
KD7S/BB	15	14	0	0	43	9	1161
KB2JE/BB	6	18	0	0	42	9	1134
WD3P	12	18	1	0	50	7	1050
AC6KW	5	11	2	0	31	11	1023
N2TO/BB	24	6	0	0	36	9	972
K7KBD	0	12	4	0	32	9	864
N4UY	13	0	7	0	27	10	810
AD4MZ	0	6	13	0	38	7	798
K5RAC/BB	0	26	0	0	52	5	780
AB7OA	0	16	0	0	32	8	768
K6PZB	12	10	0	0	32	8	768
K4KJP	0	3	15	0	36	7	756
N6GA	9	9	2	0	31	8	744
N4JS/BB	0	20	0	0	40	6	720
AE4GX	3	19	3	0	47	5	705
XE1/K8ZAA	0	16	3	0	38	6	684
N7GS	0	11	0	0	22	10	660
K7SZ	31	0	0	0	31	7	651
WE6W	7	9	0	0	25	8	600
AG5P	0	3	17	0	40	5	600
N2TNN/BB	19	6	0	1	33	6	594
N7TN/BB	12	10	0	0	32	6	576
N4OLN	7	3	15	1	45	4	540
AK1P	5	7	3	0	25	7	525
WB8E	1	21	0	0	43	4	516
K7MPH	2	12	1	0	28	6	504
KG0ZT/BB	0	15	0	0	30	5	450
WB2CWA	0	15	0	0	30	5	450
AC6XK/BB	18	4	0	0	26	5	390
WA1QVM/BB	11	5	0	0	21	6	378
N6WG	18	0	0	0	18	7	378

WB0CGH	0	15	0	0	30	4	360
K3WWP	21	1	0	0	23	5	345
KI6SN/BB	16	6	0	0	28	4	336
K4NK/BB	2	17	0	0	36	3	324
KG7OM	0	7	0	0	14	7	294
KC4MHM	0	10	2	0	24	4	288
KE4IZH	5	7	0	0	19	5	285
KF6CTA/BB	0	9	0	0	18	5	270
WF6B	7	7	0	0	21	4	252
N7CQR/BB	0	10	0	0	20	4	240
KI0II	0	8	0	0	16	5	240
AA5BK	0	8	2	0	20	4	240
W0CQC/BB	1	9	0	0	19	4	228
W2JEK	2	6	0	0	14	5	210
K06KA	0	5	2	0	14	4	168
K2JT	5	2	2	0	13	3	117
K3TKS	6	0	0	0	6	5	90
K06TS/BB	0	7	0	0	14	2	84
W7AQK/BB	8	0	0	0	8	3	72
W4ED/BB	1	3	0	0	7	3	63
AL7GQ/BB	0	7	3	0	20	1	60
KG2IM	0	7	0	0	14	1	42
K0SU	0	1	5	0	12	1	36
KQ0I	0	6	0	0	12	1	36
KB8VCC	5	0	0	0	5	2	30
WY2Y	1	0	3	0	7	1	21
WA4AAK	3	0	0	0	3	2	18
WA8GHZ	0	3	5	1	18	1	18
KB20FC	0	2	0	0	4	1	12
WD6FDD	0	1	0	0	2	1	6
AH7R	0	2	0	0	4	1	4
W5QJM	0	0	2	0	4	1	4
WA4IML/BB	1	0	0	0	1	1	1

Note: 1 point given for each 40 meter contact, 2 points for each 20 meter and higher contact. Ccore = Total Points X (# of BBs X 3). To avoid scores of 0, we stipulated that the minimum number of BBs would be 1.

Date: Wed, 20 Aug 97 09:32:45 -0700
 From: Russ Carpenter <russ@natworld.com>
 To: "QRP-L List" <qrp-l@Lehigh.EDU>
 Subject: [25215] Soapbox for the Flight of the Bumblebees (Long)
 Message-ID: <199708201632.JAA26073@guppy.pond.net>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="US-ASCII"

>From Jack, W5TFB

A funny thing happened: a DXer in Florida wondered if I was operating from China. He seemed upset that I wasn't.

>From Walt, KB2JE

Being very hot and humid that day, I moved my operation to High Mountain, in Wayne NJ, instead of Slide Mtn, NY which shortened the hike by an hour and a half each way. Since it was a short test, I didn't carry a spare battery. Of course for some crazy reason (heat?) my "fully charged" 7 Ah battery crapped out after two hours, so I missed about 2 hours of the test. The last QSOs of the test were made with a hamstick on my car at the base of the "Mountain". Note in NJ "mountains" are 700-1500 feet high!.

>From Kevin, N2T0

Thanks for the great contest Russ. YL wanted to visit with her sister's family in the Poconos, so I said I'd like to work the contest from the lake in Pocono Summit, PA. I love when we can communicate like that!

A 7th grader named Joe asked what I was doing while shooting up the line for the antenna. Told him I wanted to work the world, and he said he'd like to help. He and YL Mary helped with the horizontal delta loop cut for 40M.

About 20 minutes before the contest I fired up my MFJ-9420 SSB rig and Joe spoke to a YL in New Brunswick, Canada and a gent from Montreal visiting upstate NY, about 50 miles south of Montreal. He was amazed, at least until the girls came down to the lake and he was off running.

Thanks again Russ. Looking forward to next year.

>From Larry, WD3P

A fun little contest, almost tempted to go out into the field myself. Keep it around for next year.

>From Randy, AB7TK

I found a site that was 1,000 feet above a flat valley. I put a 20 m dipole up about 45 feet between two trees. For 40 m I used my SLV. I had a Sierra for 20 and a 40A for 40. Each was a complete station with paddles and power supply. There were a few thunderstorms across the valley but weren't a problem.

I took the event rather low key, but had a great time. Only during the last 1/2 hour did it seem that 20 opened up to the east. Until then all contacts were over the mountain top or along the valley.

>From Jim, W4QQ

Operated from atop 1800' ASL Kennesaw Mountain National Battlefield. Enlisted the strong back of 18 year old ham, KC4ROW, Kenny to help me lug the stuff up the mountain. We lost a lot of time getting to the top after church and didn't get started until 2:15 PM EDT. Had lots of public visitors looking over the cannons and asking what we were doing. We advised them that we were part of the Confederate Signal corp, attempting to contact General Lee for further orders! Had a (cannon) ball!

>From Rick, N7TN

The flying part of my bumblebee expedition didn't work out so I had to drive to Truckee and the trailhead on CA SR 40 at Donner Pass at 7000 feet, about 10 miles west of Donner Lake. Hiked quickly up the Pacific Crest Trail to the north summit of Mt. Judah at 8200 feet with clear shots in all directions except south. Found a beautiful site for the MMA SLV, 15 square inches of soil between granite boulders right at the top, and two scrub oaks to support a sunshade nearby. Got everything up and ready with 30 minutes to spare but signals were disappointing. Struggled mightily to find and work stations with bursts of success between long dry spells, as if the activity were turning on and off with some kind of ethereal switch. Ended up like this:

20m	10 QSOs	2 Bees	= 20 pts
40m	12	4	12
	--	-	--
Total	22	6	32 x 6 x 3 = 576

All contacts were in the West except N4EO in TN who was active and loud throughout the event.

After a solid hour (1931-2030) with only 1 QSO and 30 minutes to go in the contest, a thunderstorm moved in so I had to disconnect the rig. The static discharges from the SLV were continuous and loud! The sun shade served well as a rain fly. The storm moved out a few minutes after the end of the

contest, so I packed up and left just about on schedule. Made it back to my office in Palo Alto, four hours away, only 10 minutes late for a Sunday evening meeting (!). Nice hike, great site, lousy results, much fun.

>From Dan, N7CQR

Quite a time up 2000 Ft over the McKenzie River valley. Terrain use for gain really works! Lots of guys heard, but hard for me to catch them before qsb (or operator error-mine!) lost them. I'm ready for next year!

>From Dave, W7AQK

Operated from Bumble Bee, Arizona (not a joke). Accompanied by Doug Hendricks, KI6DS, and had to limit activity because had to get Doug to the Phoenix Airport. Lots of fun though. Used a Sierra and a W6MMA/SLV. Doug worked several stations too. Great event.

>From John, VE3JC

Well the muscle aches from the 41 km solo paddle to my Bumblebee site have finally subsided, so I'll share a few thoughts regarding a very enjoyable event...

The way it started out, I suspected it might be a "weekend in hell" (a la Dale, kb0vcc/bb!). Rain and threats of thunderstorms prevented an early departure, but by 10:30 am Saturday my wife had delivered me to the Middlemiss bridge and I was on the river. Now the Thames River meanders 163 miles through SouthWestern Ontario. I had not paddled this section before, but I had the topo maps and knew that there were four bridges between my entry point and the Conservation Area where I planned to camp. What could possibly go wrong? Three hours later (still under overcast skies) I reach the first bridge! Examining the map, my calculations tell me that I may not get to my destination until after dark. The thought of navigating the river, trying to find the conservation area, and pitching a tent in the dark, in a thunderstorm fills me with some anxiety. Two hours pass and I make the second bridge. Bends in the river seem a bit different than on the map - now I'm confused and anxious. Wishing I'd brought more drinking water, in case I have to set up camp before the conservation area. Did I mention the hordes of deer flies that were making it impossible to maintain steady paddling?

To make a long story not quite as long ... I'm delighted to reach the third bridge in very quick time, and ecstatic (but still very confused!) when at 6:30 pm my destination comes into view. What happened to the fourth bridge??? Apparently one of the bridges which still shows on the topo map was removed some time ago - they must have done a good job, because I don't recall seeing any remnants of the footings! This missing bridge really mixed me up and made me worry

unnecessarily. However, I did enjoy the countryside, and spotted 3 deer, many hawks and blue herons, and one bird species that I have never seen before.

So I haul my gear and the canoe up to the camping area, get my tent pitched, and brew a hot cup of coffee on the single burner stove. I am the only person in the camping area - anticipating a good night's sleep in complete solitude, and a pleasant morning raising antennas.

Then I see a familiar van coming down the access road... It's my brother Peter and his family, plus my brother Stephen from the North West Territory (who had just flown in that morning). They've decided to camp and share in my bumblebee expedition. We have a wonderful campfire under what is now a clear star-lit sky.

After a great breakfast Sunday morning, Stephen helps me with the wrist rocket, and climbs up a tree or two, until we finally have the 450 ohm ladder line-fed dipole up at a respectable height (about 35') oriented east-west. The qrp+ and tuner are ready to go - signals aren't all that strong on 20, and 15 seems dead...

If I had not made a single contact, it would still have been a great weekend. But I did manage 46 QSO's, mainly on 20 but a few on 15 and 40. Fellow bumblebees were scarce - only worked 5 (including Dan N4ROA on both 20 and 40). Guess that's 828 points (is there a multiplier for insect bites?)

Thanks to ARS for organizing this great event, and to those who shared their adventures on qrp-l.

>From Bill, W5SB

This was my first qrp as well as cw contest on my own. I have been part of other qrp contest with K10J and K5ZTY. Mostly the field stuff. A couple from my shack using K10J's call. I was assisting him in those events. This time around he was there to offer support to me, of coarse using my Call for the first time.

I have been licesened since 1961 but used code only for a couple of months as a novice. Over the years I was inactive for a long period of time. In the early years I operated 75 meter AM and was definately a rag chewer. In 1991 I found my way back to ham radio and discovered SSB for the first time. I fell back into my old mode of rag chewing this time on ssb and mostly on 17 meters. I have logged closed to 4k SSB QSO's since then. Something got me thinking about contesting and built my station accordingly. I can run a multi op x 2 with little trouble. I usually open my shack up to the public for all commers to come and operate.

We've done pretty well, but on phone.

I wasn't until Bill, K5ZTY and OJ, K10J started working on me, did I even start thinking about QRP and CW. I managed to pass the 20WPM for the extra

exam with very little practice. I was lucky.

I helped Bill and OJ out in the FYBO and QRP field events and enjoyed it.

So here I am.

My equipment is as follows:

FT-990 with filters (I use a external variable neg. power spply to the ALC connection to get the power down to 5W)

Kenwood TS-830 with remote VFO

2-486 computers with cw keyers and NA logging programs.

For the QRO I have a Heath Kit SB1000 and a SB-221.

This is all built on a 8' long home made console that will seat 4 people operating and logging.

I have headset distribution at all locations and for the most part have individual volume controls.

The operator at the FT-990 can also monitor the TS-830 by flipping a switch.

The antennas are all wire. I have two 8 element W8JK beams fixed in the NE and NW directions. They top out at about 70'

2-15m collinear monobanders in the same directions

1-160 Meter dipole at about 70 ft. flat across the top. I also use it on 40m.

1-160 "L" with a 90 vert. section and elevated radials

1 75 meter dipole at 70'

1 40 meter dipole at 70' (these two have a common feed line)

All antennas are fed with ladder line and terminate into tuners. No towers just trees.

>From Dave, KG0ZT

Fantastic event... super participation...

Sorry I could only log 75 minutes of air time...

see my report posted to the QRPlistserv for details on visit from "Murphy" and friends...

>From Bob, W6WG

Lots of fun, but next time I'll try 20m or 15m.
40m was just too thinly populated.

>From Dean, N2TNN

Great test of skills and endurance which makes the ARS so enjoyable. It takes us out into the field and shows how good our memors is, like , what did I forget???

Great event and looking forward to next year.

>From Jerry, N4EO

I operated for 2 hours 10 minutes from home QTH in Columbia,TN with

FT-1000D at 5 watts out per WM-1

with yagi monoband antennas 4L-15M at 120', 4L-20M at 110', 3L-10 M at

85'.

Closed down to help Alexa, XE1SOA, visiting from Puebla, MX build her SST-40. She did a fine job, finishing the rig by herself in 5 hours.

Her parents are missionaries; her mom is XE1/KG0RC.

>From Dale, KB0VCC

Despite the operating challenges, I had a blast and gained some valuable field-operating experience.

>From Rich, K7SZ

Location: Lake Wallenpaupak in the Pocono Mts of NE Pennsylvania.

Rig: Wilderness Radio NorCal-40A 2.5 watts output

Ants: St. Louis Vertical/W6MMA and a Bic-40 Dipole

Comments: Both antennas had a 2:1 SWR! Dipole was only up 18 ft. It outperformed the SLV/MMA by several orders of magnitude! Also had my Icom IC-501 (6 meters) rig along using a PAR Electronics Omni antenna at 15 ft. About 1/2 way thru the BB test, 6 opened into northern & central Florida. Stopped working BB QSOs and picked up 4 new grids on 6 meters SSB using 1.5 watts output and an Omni antenna! Signal reports were 59+10db on my little Icom into FL!

Furthest south I worked was Don, N4TN in TN. Furthest north was Joe, K2JT, in VT. Furthest west was Pete, W0DOW, in WI. Prop just wouldn't lengthen out.

Had lots of fun. Bugs weren't bad (we have had a very dry summer) and next time I'm gonna use the SLV/MMA for it's original purpose....fishing! That antenna is absolutely the WORST vertical I have ever used!

>From Lori, AC6XK

I can't wait to play Bee and Bzzz around next year. The creativity of the contest is wonderful and I commend you for it. I had difficulty with my antenna (see QRP-L posting) and was discouraged for awhile but I am determined NOT to give up! Thanks for a great contest!

>From Dick, AB0CD

Ran the Sierra (40/20 meters), MFJ memory keyer, and my trusty W3EDP random wire antenna with the MFJ random wire tuner. Set up on a makeshift bench with my backpack, running it from a ledge on a large rock to a

branch on an adjacent tree. Weather started out nice, but soon was surrounded by rumbling mountain thunderstorms and spitting rain clouds. BUT the Colorado QRP Club station, W0CQC, braves all weather. QSB was rough on 20. We're looking forward to next year's bumblebee event. Great fun!

>From Rick, K0SU

Lots of fun. Should have spent some time on 20, but wanted to see what 15 was up to.

Next year I might head for the field myself! Keep it up.

>From E.Z., KG70M

I could be in a few other BB logs, but probably not.

My station: MFJ 9020 cw xcvr with mobile whip antenna on car from Fort Flagler State Park, WA.

This is on Kilsut Harbor in the Admiralty Inlet area of northern Puget Sound. Enjoyed the activity!

six stations were CA and one ID.

>From Bill, W5SB

This is my first CW and QRP contest running solo. I was assisted by K10J to keep me out of trouble. He relieved me for about an hour while I had some lunch. 99.99% of my contacts as a ham for 36 years have been on phone. I do some contesting on phone and occasionally help out some the local guys on their qrp activities.

>From Bob, AE4IC

It was a great contest, although the bands seemed to have a mind of their own. I worked first one part of the country, then another as they faded in and out. Sometimes a loud signal would almost disappear before the exchange was complete.

I like the contests where we exchange names.

Made 22 contacts on 20M and 19 on 40m, worked 14 Bees for a total of 2646 points. I'll submit a paper log.

Thanks again for another great contest idea and execution!

>From Ed, WE6W

Wonderful contest. Lot's of fun. Hope I can travel and be a Bee next time!

>From Joe, AB7TT

Great fun! Can't wait for next year. Late start, bugs, rain, lightning, and I was grinning like a fool the whole time. Nice to hear all the familiar calls, and the new ones too. Next year - a waterproof logsheet!

>From Ron, KI0II

A great event! First "BEE" I found was AA7QU. Nice sig Russ. Bad thunder storms caused early end of the fun. Keep it UP!

>From Kent, AB7OA

Thanks for the great contest, and the opportunity to be a bee! You were booming in to AZ all day. Tell us again about the geography of your site, and the antenna....

>From Rich, WD6FDD

Someone has to be last, I operated 10 minutes made my one and only contact KD7S/Bill and then had a small family emergency (all is OK) Still is fun to be part of a fine group of people!!!! Rich/WD6FDD

>From Bob, AD4MZ

Thank you for a great contest. I have recently acquired the Sierra and this was a great introduction to qrp operating. Ham radio is now fun and exciting just like I remember it from 34 years ago when I made my first qso.

It was amazing that stations that I could barely hear could actually copy me. My output on 20m was just 1.3 w. The antenna was a G5RV in an inverted vee configuration.

I kept trying 15m, but only heard non-contest stations in Argentina. I didn't even try 10m.

I would like to apply to become one of the bees next time. Please lets do this again soon.

>From John, N0HJ

Radio broke (trouble yet to be determined) but had a great time hiking up Pikes Peak. A bit of rain, a blister, and a black/blue toenail, but great

fun !!!

>From Evan, WR4AAK

Thanks to all who organized and participated in the Flight of the Bumblebee! Special thanks to VE3JC/BB who tried in vain to pull my signal out of the noise, to no avail. Even though I made only 3 contacts, I had a good time, and the event gave me a deadline for completion of my SST-40 QRP kit. I'll be ready for the next one!

>From Dick, KF6CTA

Worked only 20 meters with SST and twinlead folded dipole, from Monument Peak (about 6000 ft. elev. in Laguna Mountains) near San Diego. Already planning for next time to: (1) work on my technique and skills (non-existent), (2) pick a super site for next time, and (3) massive antenna experiments (think SST was great as it is). Thanks to all for having such a great event in which I could participate. It was QRP at its finest as far as I am concerned.

>From Sam, AE4GX

Greatly enjoyed my first BumbleBee contest. I was hoping to be a BB myself but time ran out and I had to operate from home. W0CH, Dave, had GREAT sig.

Index Labs QRP+ @ 5 watts battery power, Long Wire (w/AT-11 Auto tuner), Butternut Vert and AEA ISOLLOOP. Used all three antennas.

>From Bob, WB2CWA

Was very pleased with the SST-20. Used it at 1 W with a St. Louis Tuner and a dipole over my garage at home.

>From Eric, WD8RIF

Great event! My QRP+ station was too heavy for carrying, but I did it anyway.

>From W3TS

Went to the BRATS hamfest at Baltimore and knew I would not be home in time to be a bumblebee, so I thought I would operate from home when I got home from the hamfest. I lost about 1 1/2 hours of the sprint, but got into it when I started. It was great fun. I thought some of the east coast bees may get t-stormed off the air, it was very hot and humid and looked like big storms brewing after lunch. I used my homebrew cw superhet xcvr. I started off at 1 watt, then noticed no power mult, so went to 5 watts in hope of attracting a swarm. I used my 40M inverted vee

up 60 feet and my 2 el yagis up 52 feet. Maybe next year the bb sprint will not fall on the same day as one of the larger nearby hamfests and I can be a bee.

>From Dan, N4ROA

I buzzed until my wings were only intermitten sputter.

>From Don, WR4IML

Disappointed that I wasn't able to hand out more Bumblebee points. A few more contacts would have helped relieve the intense heat, humidity and biting bugs. I was stuck on 40 with my Norcal 40a because of problems with my newly assembled 20m rig. Heard several Bumblebees and those calling them. Thanks to Larry, WD3P, and the good ears that pulled out my 339 signal for my lone contact. Raising my dipole from 15' to 35' and changing from north-south to east-west helped on receive but obviously not on transmit.

>From Bill, KD7S

40 meters was hot but I had to struggle for every contact on 20 meters. I used my Bumblebee Special transceiver on 40 but switched to my faithful HW-8 for 20. Didn't hear a peep on 15 meters. My antenna was a 40 meter dipole fed with open wire line hung 60 ft in some tall pine trees. My location was atop a tiny rock pinnacle just outside Kings Canyon National Park in the central California Sierra. I thought I picked a good spot but chose the hardest rock in the whole place for a chair. On the plus side, I only saw one bear the entire time.

>From Danny, K3TKS

I ran a NC-40A at about 2 watts to a Hamstick magmounted on the trunk lid. Solar charged Gell Cell in the glove compartment. Little Red Key and NC-40A on the Dash and away we go.

>From Randy, XE1/K8SAA

Had fun in the flight of the bumblebees test today. Hope to be a future bumblebee. QRP+
5 watts to MFJ loop here in Mexico City

>From Cam, N6GA

If only I could have been a Bee. Had to stay home and could work only first two hours. Conditions were strange - 20 meters had deep fades, kept sounding like it was trying to open up wide, only to fall back into noise. Thanks to ARS for sponsoring this one - I think it's destined to become a classic!

>From Dave, W0CH

What a wonderful contest idea. I hope that ARS runs this again and I will try to become a Bee next time! 40 meters was noisy with QRN as one would expect during mid-afternoon in July. Only a few signals heard on 15 and zilch on 10 meters.

The high point was working W1LP/MM QRP on a tanker located in the Gulf of Mexico.

>From Walt, WB8E

It seems like all the great fists are heard during QRP contests along with courtesy.QRL? All in all a fine day out in the field . Rig used a TS50s at 5 watts with a mfj QRP antenna tuner and a Radio Shack DSP. Antenna an outbacker mag mounted to a barbecue grill in the park here in Eastpointe, MI.

>From Jake, N4UY

Thanks for hosting a great contest -- had lots of fun. I made my first contacts with NJ (now I only need DE for WAS) and my first ever 15m QSOs, including a Bumblebee sitting by San Francisco Bay -- not bad from the Virginia suburbs of Washington DC.

>From Ken, N2CQ

Great Test with the Bees! Had to shut down for the last hour due to local thunder storms.
(Had to have some kind of alibi!)

See you bees next time and I'll be a Bee then too!

>From Joe, K5RAC

Had a great time except for the temperature being 101 F. Station was a MFJ 9020 and butternut vertical. 72

>From John, K3WWP

A fun little contest. Can't wait to do it again when conditions are good. I worked almost every station I heard in the test except a couple very weak ones on 20.

>From Mark, K7MPH

Loads 'o fun! I stumbled on the contest by accident (then looked it up in QST) and pressed my trusty QRP FT-1000 (cranked down to 4.5 watts) into service. Had a blast and will certainly look forward to the next one. Thanks for organizing this event. I heard more than I could work!

>From Rick, KE4IZH

Fun time, only worked 20 and 40m from home with my Sierra at 2 watts. Very bad QRN on 40. Mistakenly thought only BB's were to call CQ callsign/BB. I'M new at this and had a great time:-) Kudo's to John, K3WWP who kept trying and pulled my 119 sig out of the noise!

>From John, K06TS

Could not get to Mt. Pinos, my original target site, so I operated from Hilltop Park in El Segundo, using my new SST/20 with an A&A 20M vertical antenna. I was modestly happy about the setup, but definitely need to tweak my SST so I can reach 14.060. I topped out at 14.058 & feel as if I missed the hottest activity.

>From John, K6PZB

QRN so bad here I used my big rig (50watts)with noise blanker. Heard ve3vz on 21060. No one heard on 28060. AA7QU was a true 599 here on 40m as was KD7S at times!

>From Don, N4TN

This was my first time in the Bumblebee fray and, Dad-gone, it was fun! The only bad thing was having N4ROA/BB rolling all that heavy RF down off of Clinch Mtn into my poor receiver. I shall return!

>From Don, WF6B

Used Wilderness SST for 20 and Norcal 40A for 40. 20 mtr was tuff sleding. Antennas were separate dipoles at 28 feet. The farthest station was N4EO in Tennessee. Air time was 1.5 hrs, maybe if I had a bigger antenna ??????

>From Scott, AA5BK

Alot of fun but alot of QSB. Worked AA7QU first

but never heard him again. AB7TT could be heard on 20 most of the afternoon here in north Tex. Used QRP+ and ground mounted vertical.

>From Mike, AH7R

Well lots of things fell through, but in the end I was able to hike up to campus (two miles) and string a dipole on one of the roofs, pull up an ancient table abandoned years ago on the same roof, and get everything fired up on 20 meters by contest starting time. Lots of signals must have been Sporadic A, bounced off patches of passenger jets from the conga line of tourist flights always present between SFX and HON. They would appear, but in the few seconds it took me to get them centered up, they would disappear and never return. It was a beautiful day, nice trade winds and no rain, remarkable for Manoa Valley early in the morning.

>From Walt, AG5P

JUST GREAT.....wx was 99 degrees F.....heat lightning caused qrn but oh well, am looking forward to another Bee chase

Thanks for a really super organization

Date: Wed, 20 Aug 1997 09:41:27 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list server" <qrp-l@Lehigh.EDU>
Subject: [25216] NC38S: reprise of PIN diode modification, due to popular demand
Message-ID: <199708201641.LAA23567@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang --

Since Gary's recent postings, I have received many requests for the previously published PIN diode modification. Due to popular demand, I pulled out the old post for a repeat. If you have already gotten this, I apologize for the extra bandwidth consumed.

Herewith from QRP-L January 31, 1997:

<<

I just can't stop playing with this thing!

The 38 Special's transmit/receive antenna switching is a fine example of creative economic engineering. It works beautifully, and is extremely cost effective.

That is, until we hot-rodders try to turbocharge our amplifiers. After all, when you drop that 454 cubic inch engine into a VW bug, better be prepared to boost the brakes.

After putting in the 5 watt mod and tuning it up for max, I found that the extra power was overwhelming the T/R switch, and just a little too much transmit energy was getting into the NE602 receive mixer/VX0.

The solution is pretty easy.

First, you have to put in the Tick mod, because we need the extra 74HC240 buffers that are freed up from the sidetone oscillator.

This modification puts a reverse bias of 8 volts on the PIN diodes when in transmit mode, improving the switch isolation.

1. Make sure that you have removed D8, R15, R16, and C31. Also make sure that you have cut the trace between U4 pin 3 and R17. This is part of the Tick keyer mod.
2. Now, put a wire jumper where D8 used to be. You did this anyway to keep U4 from floating.
3. There is a trace on the PC board, solder side, which connects R1, R2, and R14 to 8 volts. Cut it between R2 and R14. This leaves R14 connected to 8 volts, and R1 and R2 connected together but nowhere else.
4. Take a short piece of insulated wire (30 ga. wirewrap wire works well) and connect the R1/R2 node to U4 pin 5. The empty hole where R16 used to be is a good place to connect to U4 pin 5. Route this wire along the solder side of the board near the path taken by the trace that you cut.
5. Check your work, then smile. You're done.

Mike (Bubba) K1MG

Date: Wed, 20 Aug 1997 12:49:34 -0400
From: rerobins@unccvm.uncc.edu (Rick Robinson)
To: qrp-1@Lehigh.EDU
Subject: [25217] CW procedures: How long to listen?
Message-ID: <v02130503b01f1f092ff2@[152.15.144.13]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This is not meant to flame anyone, just a little constructive criticism.

Last night, Tuesday 8/19, I was listening to a fellow QRPer calling CQ QRP, nice 579 signal, little QRM or QRN here. He sends his "K", I start calling him. Before I can send 3 of the 4 letters of his call, I can hear him calling CQ again. So I wait and try again ... same thing. In fact I hear other folks calling him too. Third time, same thing. So I start timing the pauses between his "K" and the next CQ. It's no more than 3-5 seconds at the very most. The few folks he is working are getting good signal reports from him, so he must be working strong signals that he can immediately hear without any effort.

I get frustrated and go watch some TV with my wife. I come back an hour later and find the same fellow on another band. Same thing, folks calling him and he doesn't pause more than 3 - 5 seconds to listen. Again he is working some folks, but could've probably worked more if he would wait, tune and *listen*.

Now I can understand the short pause if one is operating SS or some other fast and furious contest, but how can you possibly make an honest attempt to work fellow QRPers if you are not listening carefully? I worked stations on both bands just to make sure I was getting out. I even worked one in the same state he's in. I understand differences in locale, equipment, antennas, etc. can make a difference in reception. This just seems to be a case of "machine gun" operating.

When I call CQ I turn the bandwidth wide open on my Sierra and even tune around with the RIT just in case I may be missing someone. I find this works for me as I've worked lots of stations that I would've missed with the selectivity set fairly sharp. May not work for everyone.

I believe in the old adage of "Listen, listen and listen some more". Am I off base here?

72,

Rick kf4ar

Date: Wed, 20 Aug 1997 12:09:25 -0400
From: buhyoff@vt.edu (Greg Buhyoff)
To: qrp-1@Lehigh.EDU
Subject: [25218] LDG AT-11 tuner *** SOLD ***
Message-ID: <v01540b01b020c6f24686@[128.173.78.57]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The AT-11 Tuner is sold. The TAC-1 40 mtr transceiver is still available.

Thanks and 73, Greg K2UM

=====
Greg Buhyoff
Julian N. Cheatham Professor
Virginia Polytechnic Institute and State University
Blacksburg, Virginia 24061

Office Phone: 540-231-5148
Fax: 540-231-3698
E-mail: Buhyoff@vt.edu

=====

Date: Wed, 20 Aug 1997 12:14:31 -0500 (CDT)
From: george fremin iii <geoiii@bga.com>
To: rerobins@unccvm.uncc.edu
Cc: qrp-1@Lehigh.EDU
Subject: [25219] Re: CW procedures: How long to listen?
Message-ID: <199708201714.MAA10975@zoom.bga.com>
Content-Type: text

Rick Robinson writes:

>Now I can understand the short pause if one is operating SS or some other
>fast and furious contest, but how can you possibly make an honest attempt
>to work fellow QRPers if you are not listening carefully?

Yes - the operating you describe is kinda poor.
I would like to point out that even in a contest it is a good
idea to listen for longer periods of time - I always make a
point of changing my listening time. What I do it vary the
amount of time - sometimes short, sometimes long and sometimes
longer than I think anyone would need. It is amazing how many folks
call me on those loooonnnnnngg pauses.

>When I call CQ I turn the bandwidth wide open on my Sierra and even tune
>around with the RIT just in case I may be missing someone. I find this
>works for me as I've worked lots of stations that I would've missed with
>the selectivity set fairly sharp. May not work for everyone.

Yep - if you dont tune around your frequency (esp when using filters)
you ARE missing stations. People call ALL over the place.

>I believe in the old adage of "Listen, listen and listen some more". Am I
>off base here?

You are right on the mark.

--

George Fremin III
Austin, Texas C.K.U. "It is hard to be in one place at the same time."
K5TR -- Overheard at the TR-Log booth
512/416-7010 at the Dayton Hamvention
geoiii@bga.com

Date: Wed, 20 Aug 1997 13:31:54 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-1@Lehigh.EDU>
Subject: [25220] Re: CW procedures: How long to listen?
Message-ID: <Pine.LNX.3.93.970820132520.562B-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 20 Aug 1997, Rick Robinson wrote:

> When I call CQ I turn the bandwidth wide open on my Sierra and even tune

> around with the RIT just in case I may be missing someone. I find this
> works for me as I've worked lots of stations that I would've missed with
> the selectivity set fairly sharp. May not work for everyone.

I do this with my OHR Explorer and it does help find the ones "off to the sides". I know on occasion I've had people come back up/down a little bit and the wide filter/RIT helps you find them again. I used to tweak the VFO before I found this method, and the other end would do the same, and we'd chase each other up the dial. I hated giving a 339 only to find out afterwards that a little up the band they were 579:(So now they get dialed in with RIT, and then the filter clamps down. 72

```
-- Chris Cartwright,   Technical Engineer   |      ccart@vidtel.com      --
-- N3XRV               QRP WAS 17/9 (w/c)   |      ccart@erols.com      --
-- QRP-L #655 NORCAL   #1891 QRP-ARCI #???? | http://dns.vidtel.com/~ccart --
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --
```

Date: Wed, 20 Aug 1997 13:37:07 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-l@Lehigh.EDU>
Subject: [25221] St. Louis Tuner efficiency - Mod?
Message-ID: <199708201737.NAA16610@mh004.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

Credit for this thought goes to Bob Barry, WB2CWA, who claims to be a "Lurker" on QRP-L.

Someone mentioned that shorting the turns of a Toroid causes losses to rise exponentially. The St. Louis tuner uses a tapped toroid inductor. My circuit diagram is incomplete, in that it originally had no connection to the tap or the bottom of the coil. In pencil, I've added a connection from the tap to the bottom of the toroid to ground. I think this came out as part of some corrections to the original instructions. (or perhaps I dreamed it up)

Bob tells me he has left the bottom end of his toroid float, just grounding the tap. He's getting good results from his SLT.

I was disappointed in the efficiency of my SLT, so much so that I tested a

second one before reporting the results to QRP-L. However, I remember that the second one had the same ground connection to the bottom of the toroid.

The St. Louis Tuner is such a good piece of equipment that I've always thought there should be a simple mod to improve efficiency. Perhaps this is it.

How about it? Am I, and a very few others, the only ones who grounded the bottom of their inductors? I no longer have my SLT, but those of you who are using them, let me know. If yours is grounded, snip that connection (from the bottom end of the toroid to ground) and see if there's a difference.

Comments?

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not necessarily. -- Benny Hill

Date: Wed, 20 Aug 1997 10:43:06 -0700 (PDT)
From: Alan Kaul <kaul@netcom.com>
To: Barry Keating <Barry.P.Keating.1@nd.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25222] Re: Any Hawaiian Stations ??
Message-ID: <Pine.3.89.9708201024.A5196-0100000@netcom15>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 20 Aug 1997, Barry Keating wrote:

>
> But, are there any Hawaiian ops who would like to set ANY time for a short
> contact?
>
>
Barry , et al

I am not a KH6-ham, but will soon be /KH6 for about ten days beginning this Friday and ending Labor Day. I'll be taking the SST-20 and perhaps the Norcal 40, plus the W6MMA version of the St Louis Vertical (((and a condo balcony which ought to get the radials off the deck))).

I plan to get a lot of beach time but will work 20 in the mornings,
20/40 in the evenings....for an hour or two each day.

Aloha and best 72/73 de: w6rc1/kh6 (to be)!!
alan kaul, kaul@netcom.com

Date: Wed, 20 Aug 1997 14:10:48 -0400
From: rerobins@unccvm.uncc.edu (Rick Robinson)
To: qrp-1@Lehigh.EDU
Cc: pthomson@bruderhof.com
Subject: [25223] 1750m invisible fence QRM
Message-ID: <v02130506b01f56571975@[152.15.144.13]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Pierre Thomson, KA2QPG, wrote:

>If you are into 1750m or other weak-signal LF/MF work,
>you will not want a touch lamp anywhere within a mile!

Or an "Invisible Fence". My next door neighbor put one up for his mixed
Rottweiler. This thing appears to operate around 160KHz and throws out
garbage every 8 or so KHz up to around 4MHz. Thankfully it is weakens
around 160 but just ruins my LW and weak signal BCB DXing.

And don't even bother trying to explain the situation to the "Invisible
Fence" techno-wizards. "We just sell 'em and install 'em, we don't design
'em. As long as the doggie stays inside the fence we don't see any problem
with the equipment". I think they just crank the power wide open and
leave.

72,

Rick kf4ar

Date: Wed, 20 Aug 1997 12:55:08 -0500
From: tahrens1@juno.com (Timothy H Ahrens)
To: qrp-1@Lehigh.EDU
Subject: [25224] W0CH - Dave, where are you?
Message-ID: <19970820.131118.12302.1.tahrens1@juno.com>

Dave - Please e-mail me if you get this.

Thanks,

Tim W5FN

Date: Wed, 20 Aug 1997 13:35:16 -0500
From: "Junius B. Fox" <w5hir@mail.phoenix.net>
To: qrp-1@Lehigh.EDU
Subject: [25225] Centennial Xcvr
Message-ID: <3.0.1.32.19970820133516.0069930c@mail.phoenix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I finished the Centennial transceiver from Dan's a few weeks ago. This is a very stable and fine transceiver. The stability of the L.O. is excellent. I was making measurements as outlined in the VFO tune-up procedure, and came across a strong heterodyne. I felt that it was an image from the L.O. so I camped there trying to make some calculations. The VFO stayed glued to that frequency for almost thirty minutes.

The receiver is hot as a two dollar stove which came as a very pleasant surprise. The sideband rejection is such that a received signal is not bothered by hash from adjacent stations... this was a real surprise. In fact, I feel that the selectivity of the Centennial rivals that of a couple of the HF rigs that I have in the Shack.

I haven't heard much about this little jewel from the gang on this e-mail group, and I am wondering why??

regards,

Foxy w5hir@mail.phoenix.net

Date: Wed, 20 Aug 1997 11:31:12 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: rerobins@unccvm.uncc.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25226] Re: CW procedures: How long to listen?

Message-ID: <33FB37F0.96E9D145@rakefet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Rick Robinson wrote:

>

> Last night, Tuesday 8/19, I was listening to a fellow QRP'er calling
> CQ QRP, nice 579 signal, little QRM or QRN here. He sends his "K", I
> start calling him. Before I can send 3 of the 4 letters of his call, I can
> hear him calling CQ again. So I wait and try again ... same thing. In
> fact I hear other folks calling him too. Third time, same thing. So I start
> timing the pauses between his "K" and the next CQ. It's no more than
> 3-5 seconds at the very most.

Rick,

It's obvious that for whatever reason, he didn't hear you. I suspect that it was not so much because of the short time he spent listening, but rather because he was not tuning far enough off of his frequency (if he was tuning at all) to hear you. I admit that when I call CQ I tune exactly 1.27 kHz up and down from my frequency (because that's the range of my RIT)! In the old days, when many rigs were crystal controlled, the guy who didn't tune after calling CQ was a lid. Today, I'm afraid, the guy who calls more than a kHz or so off frequency is the, er, inexperienced operator.

Most QRP rigs can be adjusted to transmit on the frequency that that is being received at a selected pitch. My feeling is that any rig which does not have a transmit offset (not RIT, I mean a fixed offset when transmitting) is a toy, not a 'real' radio.

I think that we have to adjust to the fact that today you must answer calls on the frequency of the calling station.

Vic K2VCO

Date: Wed, 20 Aug 1997 13:40:02 -0500 (CDT)

From: rspenc@creighton.edu

To: qrp-1@Lehigh.EDU

Subject: [25227] part needed

Message-ID: <Pine.HPP.3.95.970820133344.11660B-100000@bluejay.creighton.edu>

Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi:

I'm back in the US now and glad I am able to rejoin the group.

Perhaps someone can help with this one: Looking for a three pin voltage regulator in a T0220 package: AS 2815AU, Alpha Semiconductor. The local dude in the electronics shop thinks this is an OEM number and couldn't cross reference it to something useful to him.

Also, anyone know the qrp hangouts on 6 meters? I recently regained the use of my 6 meter all mode rigs after several years of inactivity, and finally powered them up. They put out 2.5 watts, all mode, and if anyone has suggestions for an antenna I could use effectively in a small townhouse I'd appreciate the leads!

72,

Rich Penc WK2A/0
Assistant Professor
Dept. of Atmospheric Science
Creighton University
Omaha, NE 68178

Date: Wed, 20 Aug 1997 14:40:28 -0400
From: "Thomas J.McCuen" <TMcCuen@compuserve.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [25228] Oak Hill Sprint
Message-ID: <199708201440_MC2-1DB4-207B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Maybe someone can answer my question abt an Oak Hill Sprint....

I want to recalibrate an Oak Hill Sprint for the low end of 40m (currently it's set for the novice area 7100-7200) , I want to set it for=

7.0 to 7.1 =

I have the alignment directions and see that a freq counter is needed which I don't have....

So, can I do the above using a good receiver to set the dial?
Also , will the output section need to be peak also or is there enough
leeway to leave same alone

Tnx in advance
Tom aa2vk

Date: Wed, 20 Aug 1997 14:37:47 -0400
From: N4JS <n4js@amsat.org>
To: lwcanews@aol.com, qrp-1@Lehigh.EDU
Subject: [25229] Caveat Emptor!
Message-ID: <33FB397B.DDCAA52@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Back on July 12, I ordered a VLF CW Transceiver Kit and an Antenna coil
from Curry Communications, in Burbank, CA. The address on their web site
was a PO Box, which should have set off alarm bells! There was no phone
or email address. (OK, so I was stupid!)

My check (\$181) was cashed on July 18. I have attempted to contact them.
Directory Assistance shows NO Curry Communications in Burbank, CA, or
vicinity. A follow-up letter has gone unanswered. I received no
communications whatsoever from the company.

I will be writing the CA Attorney General's office, but thought others
should be warned, since this web site was a link from the NorCal QRP
club page.

--

_ _ _ _ _	John L. Sielke	n4js@amsat.org	n4js@pobox.com
\ _ / _ _	n4js@qsl.net	NJ Grid:FM29LN	
. ' _ _ \ _ _ \	http://www.qsl.net/n4js		
_ \ _ \ _ _ / _ _ /	NJ-QRP #57	QRP-L #884	QRP-ARCI #9328
NE-QRP #507	G-QRP #9544	NorCal #1989	QCWA FISTS #2781

Date: Tue, 19 Aug 1997 23:09:19 +0100
From: "Frank, G3YCC." <g3ycc@gqrpcclub.demon.co.uk>
To: we6w@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25230] Re: Mystery of the Blinking Light!

Message-ID: <1KmExFAPmh+zEwRM@gqrpclub.demon.co.uk>
MIME-Version: 1.0

In message <33F9E894.544C@qsl.net>, Ed Loranger <we6w@qsl.net> writes
>I fixed the Touch Lamp Mom gave us for Christmas!
I first came across these devils in VK5 earlier this year and warned my
XYL never to get one! As soon as I touched the key on any band, QRP
naturally, all the blinking lights blinked. My sister with whom we were
staying thought they had acquired a poltegeist! No, just a radio
amateur!
Now I know how to cure it next time we go (if ever).
Cheers.
Frank, G3YCC GQRP Club 042
Packet: G3YCC@GB7HUL
QRP Web Page: <http://www.gqrpclub.demon.co.uk>

Date: Wed, 20 Aug 1997 15:15:17 -0400
From: rerobins@unccvm.uncc.edu (Rick Robinson)
To: qrp-l@Lehigh.EDU
Subject: [25231] odd Sierra problems
Message-ID: <v02130507b01f5a29ff31@[152.15.144.13]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Two Sierra problems have me scratching my head. The Sierra has the KC-2
and BuzzNot installed.

1. I started noticing SWBC or BCB birdies, not sure which, around 10.110
several weeks ago. Tracked it down to the BuzzNot. BuzzNot on, birdies
on. BuzzNot off, birdies off. There is also a noticable amount of
background noise with the BuzzNot on, although the BuzzNot does a nice job
on some of the local noise/QRN. Both problems are worse with the pot set
just after the BuzzNot switch contact makes.

2. I noticed 25MHz WWV coming in good Saturday afternoon on my Drake R8
receiver, so I plugged in the Sierra's 12M module to try for some QSOs.
Around 24.825 on the Sierra I'm hearing WWV. I key the transmitter into
the dummy load and tune the R8 to find the transmitter signal, thinking
maybe the Sierra module is misaligned. Well, the R8 says 24.825 when
zero-beating the Sierra signal, but Sierra is still picking up WWV. Zero
beat WWV on the R8, key the Sierra and the R8 hears only WWV, no Sierra.

Anyone else have any experience or suggestions for dealing with either of
these oddities?

72,

Rick kf4ar

Date: Wed, 20 Aug 1997 15:20:24 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-l@Lehigh.EDU
Subject: [25232] RE: Centennial Xcvr
Message-ID: <55225.owen@piper.eeel.nist.gov>

In message Wed, 20 Aug 1997 13:35:16 -0500,
"Junius B. Fox" <w5hir@mail.phoenix.net> writes:

> I havn't heard much about this little jewel from the gang
> on this e-mail group, and I am wondering why??
>

Ralph N7RI, a member of this group, checks into the VA FONE NET quite frequently and almost always into my (K4CGY) Wed night session. His Centennial ALWAYS sounds good and is frequently 10-15 DB over 9. He is about 150 miles from me and usually is almost as strong as the 100 watt rigs and many times stronger than some of them. The rig has excellent audio and to me seems stable. Comments Ralph? I plan to order one over the weekend to be my portable/backup 75M rig. 72/73 Jim K4CGY qrp-l #72

Date: Wed, 20 Aug 1997 15:26:18 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-l@Lehigh.EDU>
Subject: [25233] Tuner Test VI
Message-ID: <199708201947.PAA32401@mh004.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang, this is the continuing Tuner Test series. Tuners included are:MFJ-949E, ZM-1, St. Louis, Murch 2000A, LDG AT-11, and Super Tee for comparison purposes.

The new one is the MFJ-971, a small tuner popular with QRPers. It's in a small case, and has adjustable sensitivity, so it can be made to read power

down to 6 watts full scale. (it doesn't have a 6 watt scale, but you can convert mentally to six watts) Literature claims the tuner covers 160M, however, I obtained no matches on 160M. (it could match some conditions which I didn't check, but it would have very limited usefulness on 160M)

It is important to remember that the information below is a summary, and cannot indicate performance on any individual SWR/Frequency combination. Some tuners perform better on certain frequencies than others. These results are based on testing one or two tuners which may or may not be representative of all of the tuners of the same model. (particularly true of kits which may have variations in wire routing)

Test Results:

The tuners are normally tested for five conditions:

RANGE - The number of SWR/Frequency combinations, within the advertized frequency range of the tuner, that could actually be tuned to 1.1:1 SWR or better.

Results:

MFJ-949E	137/162 (137 out of 162 possible)
ZM-1	140/144
St. Louis	138/144
Murch 2000A	71/72
LDG AT-11	(see notes 1,2)
Super Tee	89/126
MFJ-971	113/162 (none on 160 M)

Note 1: The AT-11 is designed to tune to 1.5 SWR or less. It would often tune to 1.0, 1.3 or something else below 1.5. From a practical standpoint, these SWRs are acceptable. Within it's advertised range, (excluding 160M) there were just 3 combinations tested which did not tune to 1.5 or better. (This is similar to the results obtained with the other tuners tested.)

Note 2: LDG spells out the range their tuner will cover clearly, ie., from 6 ohms to 800 ohms impedance. This was an accurate representation.

EFFICIENCY - The number of SWR/Frequency combinations, within the advertized frequency range of the tuner, which resulted in less than 20% (approx. 1 db) power loss.

Results:

MFJ-949E	49/162
ZM-1	60/144
St. Louis	1/144
Murch 2000A	35/72
LDG AT-11	30/40 (excluding 160M)
Super Tee	9/126

MFJ-971 21/162

AVERAGE LOSS PERCENTAGE - The average signal loss of all of the SWR/Frequency combinations which would match to 1.1:1 or better.

Results:

MFJ-949E	29%	
ZM-1	22%	
St. Louis	43%	
Murch 2000A	22%	
LDG AT-11	14%	Note: Match was 1.5:1 or better, not 1.1:1.
Super Tee	39%	(Bal = 30%, UnBal = 49%)
MFJ-971	31%	

SWR BANDWIDTH - The number of SWR/Frequency combinations, within the advertized frequency range of the tuner, which enabled a tuning range greater than 5% of the primary frequency. (5% on 7.2MHz is 360Kc) (Once the tuner is set, how far can we tune from the frequency before SWR climbs to 1.5?)

Results:

MFJ-949E	73/162	
ZM-1	61/144	
St. Louis	77/144	
Murch 2000A	22/72	
LDG AT-11	36/40	(excluding 160M)
Super Tee	67/126	
MFJ-971	87/162	

BALANCE - The number of SWR/Frequency combinations, within the advertized frequency range of the tuner, indicating a balanced output with less than 1.5:1 difference between the lines.

Results:

MFJ-949E	52/81	
ZM-1	72/72	
St. Louis	72/72	
Murch 2000A	N/A	(Murch is an unbalanced only tuner)
LDG AT-11	N/A	(unbalanced only tuner)
Super Tee	63/63	
MFJ-971	50/81	

POWER REQUIRED - Normally, I do not make power tests. The AT-11 tuner requires a certain amount of power to make it cycle, however, so this is of interest to QRPers. The literature indicates .1 watt minimum.

However, .1 watt would cycle the tuner only if the antenna load was 50 ohms. Otherwise, up to .7 watt was required to produce an accurate cycle. In some cases, if the tuner was fed less than adequate power, it would give a false reading. (indicate a match of less

than 1.5 SWR, when actual SWR was 2.0 or higher)

TUNER DESCRIPTIONS:

MFJ-949E: A C-L-C "T" design. Uses a tapped air inductor. Rated at 300 watts. Balun provides balanced output. Tunes 160M through 10M. Case about 3-1/2" X 10-1/2" X 7-1/4"

ZM-1: A "Z-match" design. Uses a ferrite core inductor. Rated at 15 watts maximum. Link coupled for balanced output. Tunes 80M through 10M. Case about 2-1/2" X 5" X 1-1/2".

St. Louis: A C-L-C design. Uses a tapped ferrite core inductor. Rating unknown, probably 25 watts or more. Balun provides balanced output. Tunes 80M through 10M. Case about 2-3/4" X 6-1/4" X 5".

Murch UT 2000A: An "Ultimate Transmatch" design popular in the 1980's and found in the 80's Handbooks. (This one did not have the "SPC" mod) Rating 2000 watts. Unbalanced output only. Tunes 80M through 10M. Case about 5-1/2" X 12" X 12".

LDG AT-11: An automatic tuner consisting of the "L" design with switched capacitance and inductance. Power rating is 10 watts. Tunes 160M through 10M. Case about 5" X 6-1/4" X 1-1/4".

Super Tee: An "L" design with seven switched inductances and a variable capacitor. Includes a 4:1 balun on the input side. Power rating unknown, probably 25-35 watts. Tunes 160M through 10M. Home Brew or kit, but will fit in a small rig sized case.

MFJ-971: A C-L-C "T" design. Uses a tapped air inductor. Rated to 300 watts. Balun provides balanced output. Has a switchable sensitivity 300 to 6 watts. Tunes 160M (?) through 10M.. Case about 2-1/2" X 6-1/2" X 6"

The test methods used were described by Frank Witt, AI1H, in his April, May, 1995 articles in QST, and in the Antenna Compendium V.

CUL,

Bob Kellogg, AE4IC, Greensboro, NC

Probably, but not nececelery. -- Benny Hill

Date: Wed, 20 Aug 1997 15:40:47 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-l@Lehigh.EDU>
Subject: [25234] Loaner Ten Tec tuner.
Message-ID: <199708201947.PAA19757@mh004.infi.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

The survey I took several months ago indicated that several of you are using Ten Tec tuners, model numbers 227, 229, 238, etc. I've been asked to test one of these, and since they are all essentially the same design, it doesn't make a lot of difference which one. But, I don't have one and haven't seen any at the local hamfests.

Does anyone have one they are not using that they'd be willing to loan for testing? You'd have to allow a month or so for shipping, testing and return. We'll split shipping costs. I'll furnish the loaner a complete test report, not just the summary that I report to QRP-L. It would be nice if the loaner lived near Greensboro, so it could be hand delivered. If there are no takers, I'll contact Ten Tec and see what they say.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not nececelery. -- Benny Hill

Date: Wed, 20 Aug 1997 16:03:07 -0400
From: Ed Tanton <n4xy@bellsouth.net>
To: rspenc@creighton.edu
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25235] Re: part needed
Message-ID: <3.0.1.32.19970820160307.00a97200@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Rich... I'd say there's a good bet you have a 15V regulator-if the unit is AC line powered (or has a builtin step-up DC-DC), and therefore capable of having a 15 VDC line. If so, try a 7815.

At 01:40 PM 8/20/97 -0500, rspenc@creighton.edu wrote:

>Hi:

>

>I'm back in the US now and glad I am able to rejoin the group.

>

>Perhaps someone can help with this one: Looking for a three pin voltage
>regulator in a T0220 package: AS 2815AU, Alpha Semiconductor. The local
>dude in the electronics shop thinks this is an OEM number and couldn't
>cross reference it to something useful to him.

>
>Also, anyone know the qrp hangouts on 6 meters? I recently regained the
>use of my 6 meter all mode rigs after several years of inactivity, and
>finally powered them up. They put out 2.5 watts, all mode, and if anyone
>has suggestions for an antenna I could use effectively in a small
>townhouse I'd appreciate the leads!

>72,

>Rich Penc WK2A/0
>Assistant Professor
>Dept. of Atmospheric Science
>Creighton University
>Omaha, NE 68178

>

>

72/73

Ed Tanton N4XY EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

QRP-ARCI #7663	G-QRP #6779	OK-QRP #172	QRP-L #758	
AdvRC #140	NORCAL #1779		NCDXF	SEDXC
Life Member:	ARRL	AMSAT	INDEXA	QCWA

INTERESTS: DX QRP BoatAnchors Test Equipment Photography
CW: 99.9% QRP: 95-100% (Mood swings!) Mercury Paddle #0214

"Think you can, think you can't: either way you're right!" Henry Ford

Date: Wed, 20 Aug 1997 14:46:01 -0400
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
To: Greg Buhyoff <buhyoff@vt.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25236] Re: FS:TAC-1 40 mtrs & LDG AT-11
Message-ID: <Pine.3.89.9708201446.A4623-0100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hey, Greg, what can do on that S&S?

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 80 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** Hamfest, life's simple joy *

On Wed, 20 Aug 1997, Greg Buhyoff wrote:

> I have two items for sale -- both are in MINT condition and both were
> factory assembled and aligned.
>
> 1. S&S Engineering TAC-1 for 40 mtrs. Digital display, up to 5 watts out,
> includes optional built-in keyer. Exceptional receiver. Beautiful
> transceiver.
> Purchased new in May, 1997. \$225 OBO. Includes UPS shipping.
>
> 2. LDG AT-11 Auto Tuner -- up to 100 watts out. Perfect condition. \$100
> shipped UPS.
>
> I have all documentation for both items.
>
> Call 540-951-4097 between 4 and 9pm (Eastern time), or e-mail me at
> Buhyoff@vt.edu. I can be reached today (Wed, Aug. 20th) at the office at
> 540-231-5148.

> Thanks, Greg K2UM

> =====

> Greg Buhyoff
> Julian N. Cheatham Professor
> Virginia Polytechnic Institute and State University
> Blacksburg, Virginia 24061

> Office Phone: 540-231-5148

> Fax: 540-231-3698

> E-mail: Buhyoff@vt.edu

> =====

Date: Wed, 20 Aug 1997 16:53:11 -0400
From: Greg Buhyoff <buhyoff@vt.edu>
To: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>, Greg Buhyoff <buhyoff@vt.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25237] Re: FS:TAC-1 40 mtrs & LDG AT-11
Message-ID: <3.0.2.32.19970820165311.006994bc@mail.vt.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi, Scott, for you \$185. That takes me right to the bottom. How are things OK? If you want it, send me the shipping address. I should have it memorized by now, but I am lucky to remember my own name!

Greg Buhyoff
Julian Cheatham Professor
304C Cheatham Hall
Virginia Polytechnic Institute and State University
Blacksburg, Virginia 24060

Phone: 540-231-5148
Fax: 540-231-3698
E-mail: Buhyoff@vt.edu

Date: Wed, 20 Aug 1997 14:37:05 -0600 (MDT)
From: bcutter@teal.csn.net (Bob Cutter)
To: "Phillip S. Rutledge" <rut@mcrut.mv.com>
Cc: qrp-1@Lehigh.EDU
Subject: [25238] RE: Paddlette
Message-ID: <199708202037.0AA18534@ns-1.csn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The Padlette Co.

P.O. Box 6036
Edmonds, WA 98026
425.743-1429

>Hi Bob,
>
> Where would one pick up one of these things?
>
>Thanks-- Phil (K1HS)

Date: Wed, 20 Aug 1997 15:18:00 -0400
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [25239] Arrggghhh! Life's frustrations...
Message-ID: <Pine.3.89.9708201546.C4649-01000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mid-QSO, battery in the keyer in the car dies!!!

Arrrggghhh! Mid-QSO with a guy in Quebec, QRP.

Life's frustrations for sale, \$10 each. Inquire within.

P.S. Sorry for the post to the whole list before. Darned mail program.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 80 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** Hamfest, life's simple joy *

Date: Wed, 20 Aug 1997 16:37:20 -0400
From: Ed Tanton <n4xy@bellsouth.net>
To: Conway Yee <cyee@bidmc.harvard.edu>
Cc: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [25240] Re: part needed
Message-ID: <3.0.1.32.19970820163720.00aa9a70@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The September issue of CQ Magazine arrived this afternoon, and a quick glance at the features listed on the cover showed an article on the 38 Special.

I had just passed by the house on my way back to the office after lunch, so I didn't have time to do much more than glance at the article. I'll be interested in reading it in detail later today, as I picked up an unbuilt kit from the estate of a good friend.

Just thought I'd pass that along. If you're not a subscriber, you may want to borrow a copy.

72 de Jim - KF6CR/AE

Date: Wed, 20 Aug 1997 18:07:18 -0400
From: Ed Pacyna <pacyna@auratek.com>
To: w5hir@mail.phoenix.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [25242] Re: Centennial Xcvt
Message-ID: <3.0.16.19970820180717.3d7f420c@dingle.auratek.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>The stability of the L.O. is excellent. I was making measurements as
>outlined in the VFO tune-up procedure, and came across a strong heterodyne.
>I felt that it was an image from the L.O. so I camped there trying to make
>some calculations. The VFO stayed glued to that frequency for
>almost thirty minutes.

Of course it would, since the received spur is dependent on the LO (i.e. as in changes with).

This is no test of stability.

Would like to get an input after using a known stable independent source and applying a heat cycle (i.e. hair dryer) on the LO.

Ed, W1AAZ

Date: Wed, 20 Aug 1997 17:05:00 -0500
From: "j.w. thornton" <dub@oklahoma.net>
To: qrp-1@Lehigh.EDU
Subject: [25243] Re: [TenTec] Re: [CW] Speed help
Message-ID: <3.0.3.32.19970820170500.00f6393c@oklahoma.net>
Mime-Version: 1.0
Content-Type: text/enriched; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

At 07:55 PM 8/19/97 -0400, you wrote:

>>>>=20

<excerpt>Absolutely!! PUT YOUR PENCIL DOWN! It is the greatest deterrent to learning to copy CW at higher speeds. Learn to copy in your head and only jot down notes.

And my second suggestion is going to get me into a lot of trouble with the 'old pholks'. Many years ago I had a speed wall, as much as I wanted to copy high speed CW, I could not get over the 40-45 wpm wall. My wife bought me a code reader which I used for about two years. When you first start using one, you rely on it completely, but as you continue using it, you suddenly realize that your over that 'hump' and dont need the code reader any more. When you are trying to copy higher speeds, if your mind loses the 'flow' of the CW, it panics, and you lose concentration..and it's darned hard to catch up again..With a code reader, you can glance up at the screen, see the word you missed, and your mind continues the even flow of copying. I went from 45 wpm to 60 wpm, without actually realizing it.

For those 'nay-sayers' who will comment on code readers, I can tell you that when you hear hams having a QSO at 70 wpm or better, they are NOT using code readers, principally because code readers are not worth a hoot above about 65 wpm and they can not copy CW in the presence of QRN. I can copy in excess of 100 wpm, of plain English, normal conversation, in my head; it's just the same thing as speaking in another language.

</excerpt>Hey Gang: This is one "old Pholk" that will not fault the benefits to be gained from a "code reader", and this computer is one of the very best I have found. My findings go right along with Chester's (Tom in high speed CW circles), in that relying on the reader in the beginning does allow one to relax and do a better job of copying. You can use the screen for filling in blanks, and after a while, you will notice that less and less fill-ins are required. A code reader CAN be a

great enhancement for learning to copy highspeed CW. It can also be a detriment, if relied upon to do your copying, while running CW that is a great deal above your ability to copy. Be aware that no code reader is going to copy thru really bad QRM, nor will it copy most bug fists.=20 Indeed, it might be very enlightening for a lot of paddle ops to try to send into a computer or other code reader. It can be a very humbling experience for some of us. That said, I find a lot of code that the machine cannot begin to copy, that sounds great to the ear, and copy is no problem whatever.

The 100 WPM plus copy Tom mentions so casually may raise an eyebrow here and there, but my eyebrows do not raise one iota. I have used Tom in QS0 with other highspeed ops for code practice to the limit of my copy ability, before they shifted into QRQQQQ and left me in the dust. My hat is tipped Tom!

I have not had an interface hooked up to the computer that will copy CW for quite a few years, but still prefer the computer for my CW keyboard, as it allows me to correct most of my typing errors before they go out on the air.

Try it, you just might like it, and it certainly can improve your CW copy ability. "72"

Dub WA5YFY

J. W. (Dub) Thornton=20

QRP-1 # 159

ARCI #6982

NW QRP # 427

Minco, Okla. 73059

Date: Wed, 20 Aug 1997 16:11:03 +0000
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@Lehigh.EDU
Subject: [25244] CQC Swap List

Message-ID: <199708202211.QAA00043@bobcat.sni.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

I've just updated the swaplist....

<http://www.mtechnologies.com/mthome/cqc.htm>

I am getting way too many bounces from people who have changed their email address or their mailbox is full or whatever. I've had to implement a policy of deleting the addresses from the list, so if you think you should have got the CQC swap list and didn't, let me know and I'll put you back on.

73

Marshall Emm

N1FN/VK5FN

n1fn@mtechnologies.com

<http://www.mtechnologies.com/mthome>

(303)752-3382

--

Date: Wed, 20 Aug 1997 18:21:52 EDT

From: ke3fl@juno.com (Philip Karras)

To: QRP-L@Lehigh.EDU

Subject: [25245] Re: Using Charge Controllers Question

Message-ID: <19970820.182214.6559.1.ke3fl@juno.com>

Using Wall Warts to charge gel cels can cause damage IF you don't watch them. OR you build a cheap circuit to limit the max voltage to between 13.8 and 14.0 volts.

The circuit I came up with is stupidly simple and yet very effective.

Advantages: low cost

works

may be left on battery with no damaging effects

can be bypassed for faster charging

Disadvantages: slows down the charging process

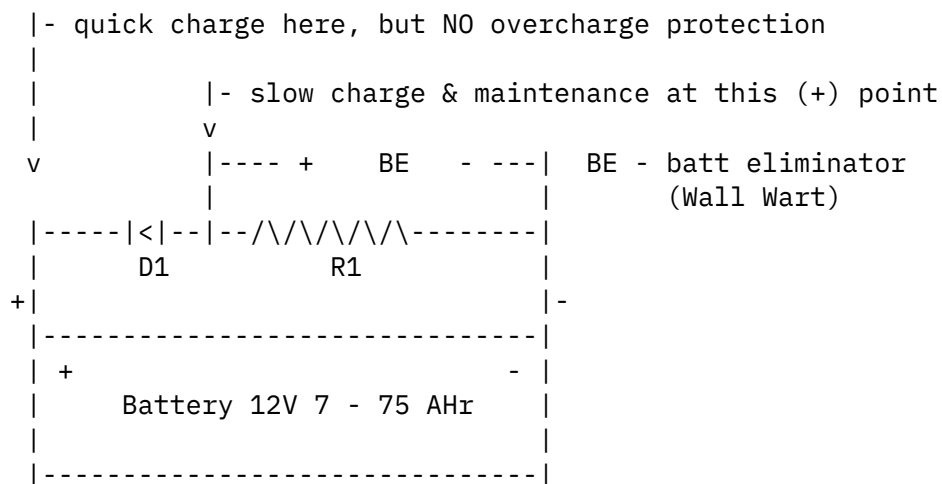
takes time to develop

When developing this circuit it would have been nice to have a voltmeter like the one from Radio Shack that hooks up to the computer to allow monitoring the voltage and for recording it for later review.

I didn't so I took voltage measurements every 30 min over numerous weekends to find the "best" resistance to use. The resistance i found will in all likelihood be useless to everyone else since we have different wall warts.

The circuit:

For 7 AHr Gel cells to 75 AHr gel cells I found that 125 ohm five to ten watt resistors work well with the 300 ma @ 12 V battery eliminators (BE) I sell as chargers. (For D1 I use a 1N4001 diode.)



Some experimentation and much patience are needed to find the best resistor to limit full charge current.

This method can be used to fully charge a gel cell. I leave the battery/charger system as shown above for days until it reaches a voltage between 13.5 and 13.8 volts, then place the BE directly on the battery, this way ALL current from the BE goes to the battery. Measure the voltage when you do this and you will notice that the battery voltage climbs to 14.4 volts rather quickly. The battery is fully charged when this happens. Place the BE back into the above configuration for continued battery care, maintenance.

The resistor needed will be different for each BE used since they are all a bit different, even the ones from the same lot like the ones I buy, but if you buy a bunch you will be able to find one resistor value that is good for the majority.

I recommend starting with a 100 ohm five or 10 watt resistor and the diode. This should get you close (about 13.0 to 13.3 volts) then add resistance until the battery is fully charged and continue to measure the voltage for a few days to be sure it doesn't over charge (go above

13.80 Volts when in maintenance mode). I have noticed that in this arrangement even adding a volt meter affects the voltage reading when the battery is close to full charge.

Also, this arrangement works for lead acid battery's but the resistance I use is 150 ohms.

Five watt resistors get HOT with the BE's I use so take care not to touch them for too long a time.

Good-luck and I hope this helps.

72 & 73 de KE3FL

Phil

(e-mail only at home in the evening)

ARS	*	173	FISTS	*	3117	NWQRP	*	447
QRP ARCI	*	8156	QRP-L	*	253			

Date: Wed, 20 Aug 1997 18:31:48 EDT
From: kt3a@juno.com
To: jim_kc1fb@pipeline.com
Cc: qrp-l@Lehigh.EDU
Subject: [25246] Re: NCG 15m CW/SSB Manual Wanted
Message-ID: <19970821.181245.8215.11.kt3a@juno.com>

Jim and QRP-L,

On behalf of Denny, K3NVI, thanks for the responses to our request. I appreciate the generous offer of sending a copy of the manual. I will send an SASE to you on Denny's behalf. Thanks.

72,

Cameron C.R. Bailey <><
Amateur Radio, KT3A
kt3a@juno.com
Mount Wolf, Pennsylvania

Date: Wed, 20 Aug 1997 15:59:03 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU

Subject: [25247] Curry Communications
Message-ID: <2.2.32.19970820225903.0075078c@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Writing a Page such as the NorCal Page carries with it some unique responsibilities. As I am identified with the page I usually refrain from responding to controversial discussions especially when they are done in my opinion, in "bad taste" and constitute a "flame job".

First of all "The NorCal Page" does not endorse any company.

I do however try to list companies that "I" know to be of benefit and service to our Part of the hobby.

I also write the "Curry Communications" Page. I as well as Dave Curry am proud of the page.

It accurately portrays his products and his company. To even suggest otherwise is very questionable.

I am personally offended when someone does so as was the case of a recent post.

I have known Dave Curry for many years, read his articles in QST, 73, LowDown, the ARRL Handbook and others over the years. I have purchased and built his products and know him to be an honest person with a passion for very low frequency communications! He has always been very helpful. The company he has is an effort to bring VLF and ELF communications and experimentation to rest of us.

QRP-L postings.

As Chuck has mentioned in previously, posting to the list carries certain responsibilities.

If one finds it necessary to "Flame" a company on the list he/she should make sure of their facts first and not just have a personal ax to grind. It would be preferable to deal with the company directly!

To claim you sent a letter is not necessarily reasonable cause to accuse someone of being a criminal intent.

Small Companies work very hard to serve their customers with personal service that most large companies cannot. To give a Small Company a black eye publicly when not

deserved is a terrible
disservice to each of us and the hobby.

After reading the posting by John N4JS I was disturbed at the inference of
criminal intent by myself
and Dave.

First of all most flame jobs contain a kernel of truth to support the
writers position so I decided
to call Dave myself and discuss this particular transaction.

Dave was surprised at the posting for the following reasons.

He has just returned from a vacation and was not aware of the problem John
claims to have.

Dave shipped all kits prior to leaving on vacation which the checks had
cleared except for
those awaiting items such as crystals which were on order. With the UPS
strike Dave has not
received crystals recently and now that it is over he hopes to receive Johns
crystal shortly.

Dave has not received any written correspondence from John and was very
disappointed that John chose
to post a message on qrp-l suggesting criminal intent on not only Dave's
Part but mine.

Remember that kernel of truth I mentioned. It is true that Dave's phone
number is not listed under
Curry Communications but all I did was call the information operator for
Burbank and asked for the
phone number of "Dave Curry" in Burbank and immediately received
818-846-0617. This number is
printed on all of Dave's flyers too. Go figure!

Small companies operate on slim margins to provide us with equipment and
kits that we cant get
anywhere else. To slam them publicly is a disservice to each and everyone
of us.

Dave has no problem with refunding John's money if that's what John wants.

John, you can either call Dave after 6pm California time or email him with
your phone number
and he will call you. His email is: currycom@pacbell.net

If you should have any further problems feel free to contact me at:
jparker@fix.net or 805-
239-1850.

Lastly, I invite one and all to visit Dave's Page "Curry Communications".
He has some very
interesting items and also some links to other interesting sites.

<http://www.fix.net/~jparker/currycom.htm>

Sorry guys, I just couldn't keep quiet about this one as it went way over
the line. Lets hope it ends
here.

72,,,,,Jerry...WA6OWR...K

End of QRP-L Digest 824

